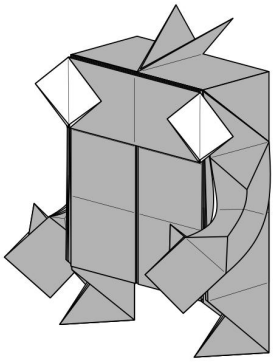
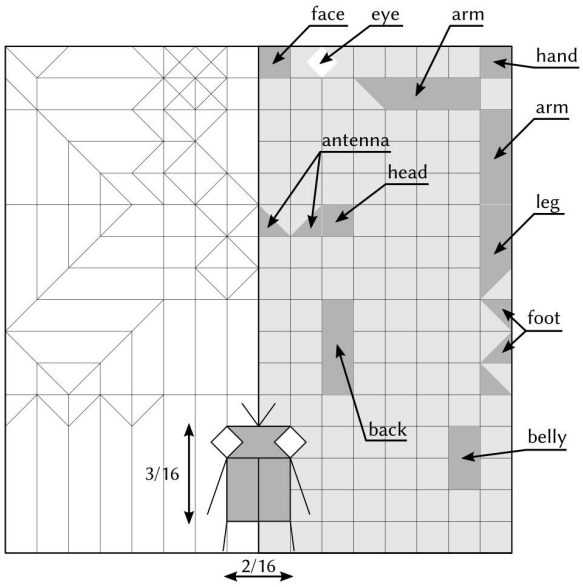
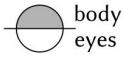
Robot

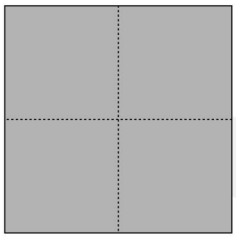
Creator : Shunsuke Inoue
Diagram : Stéphane Gérard
Duo paper 30×30 cm (12×12 in)





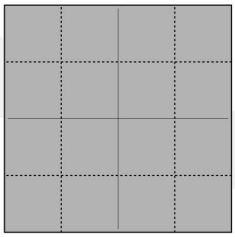


1



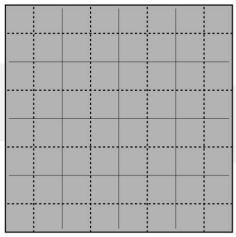
Precrease a 16x16 grid.

2



Use whichever method you like.

3



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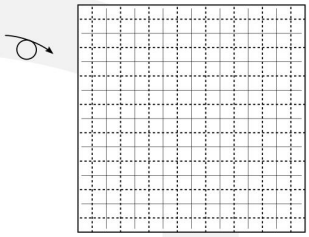

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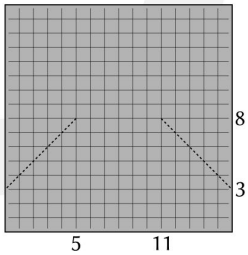

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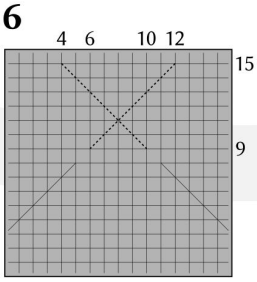

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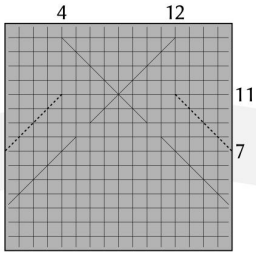

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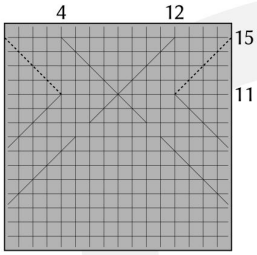

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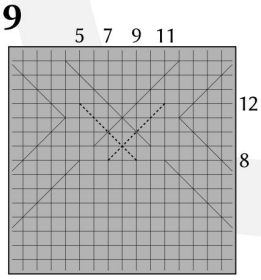

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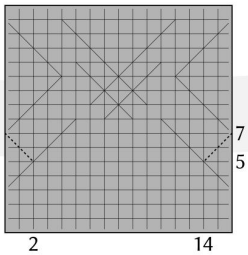

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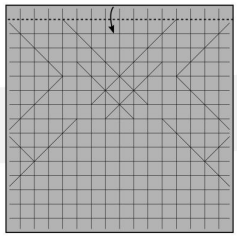

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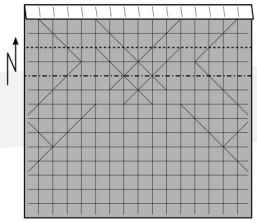
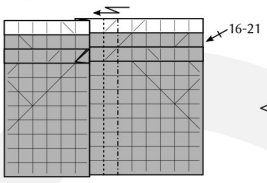


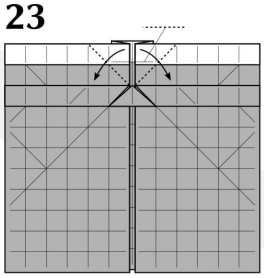
Pleat-fold.

22



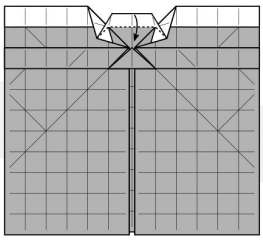
Repeat 16-21 on the right.

23



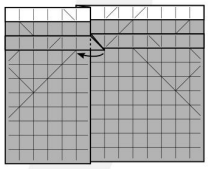
Fold the corners down and squash the rear flap.

24



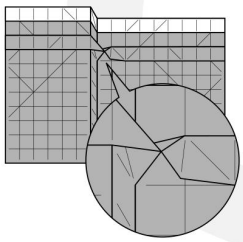
In progress.

21



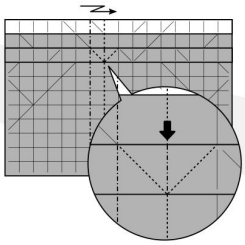
Fold the point to the left.

20



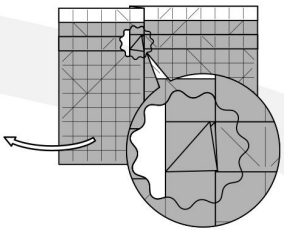
In progress.

19



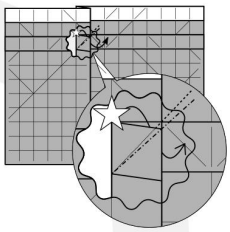
Pleat again, this time pushing the edge in.

18



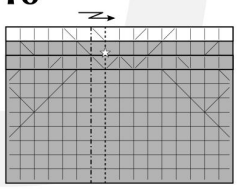
Unfold to 16.

17



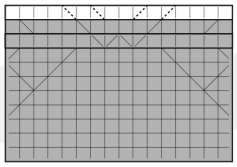
Inside reverse-fold the hidden flap.

16



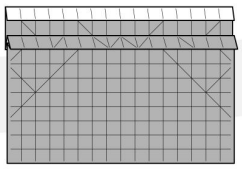
Pleat-fold.

15



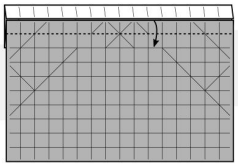
Now, everything is flatenned. Add valley folds.

14



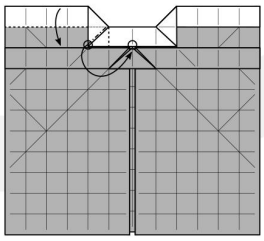
Like this.

13



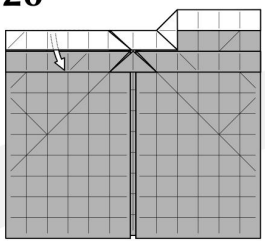
Fold down the top flap.

25



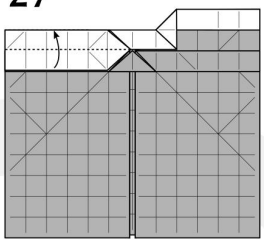
Swivel-fold.

26



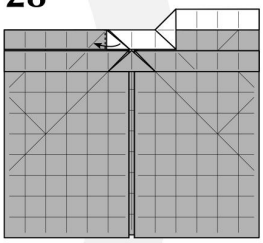
Unsink one layer.

27



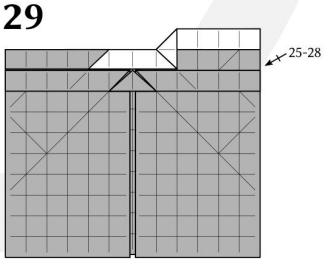
Fold up.

28



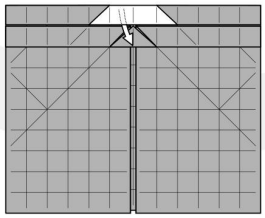
Fold the point to the left.

29



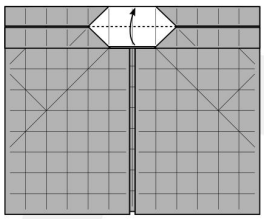
Repeat 25-28 on the right.

30



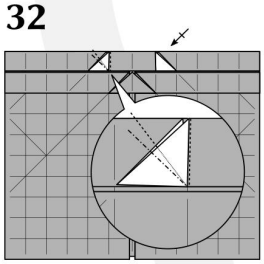
Unsink one layer.

31



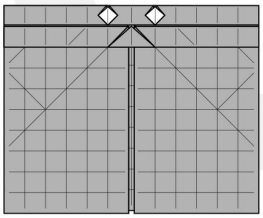
Fold up.

32

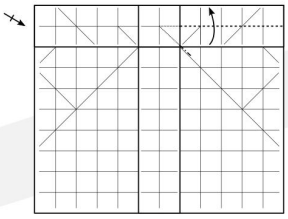


Squash-folds on both points.

33

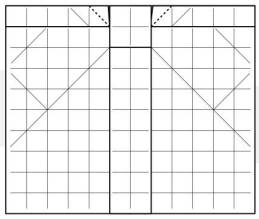


34

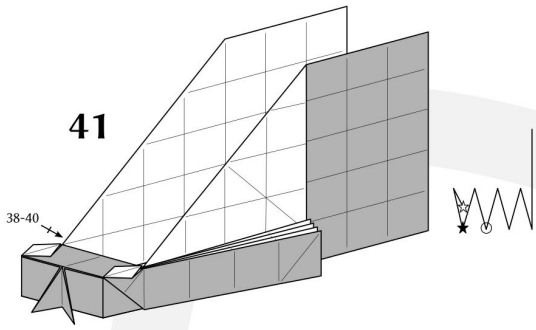


Fold the flap up. Repeat on the left.

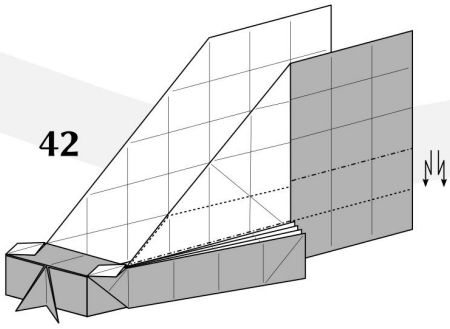
35



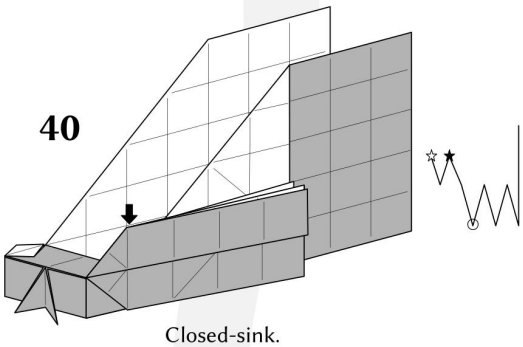
Add valley folds.



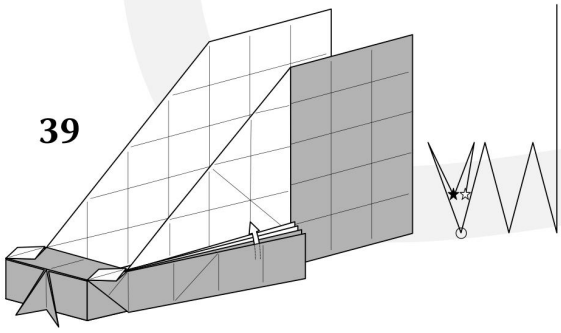
Repeat steps 38-40 on the other side.



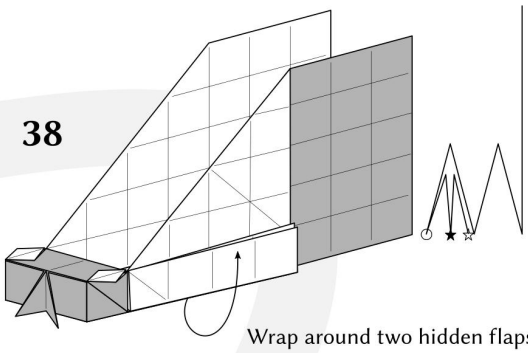
Reverse-fold in & out.



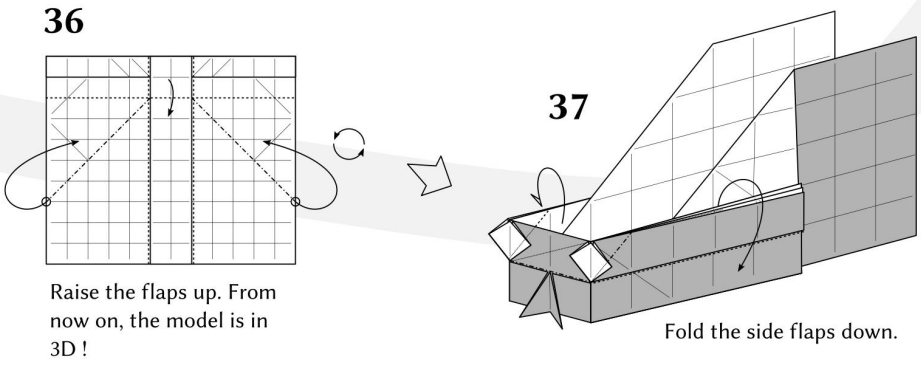
Closed-sink.



Pull out one flap (second from the front).



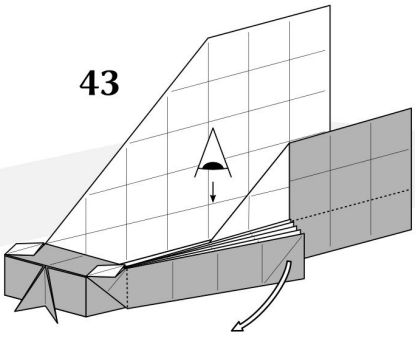
Wrap around two hidden flaps and make a colour change. Look at the simplified view on the right.



Raise the flaps up. From now on, the model is in 3D !

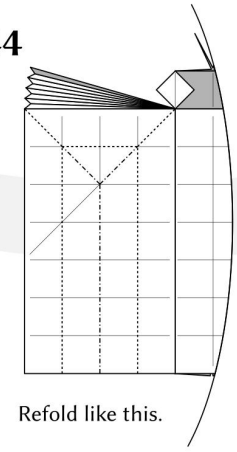
Fold the side flaps down.

43



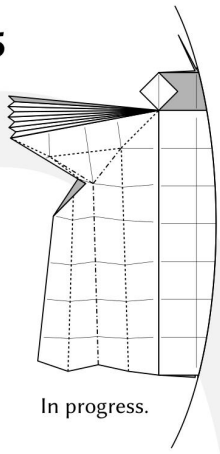
Partially open the layers. Next step will be viewed from the top.

44



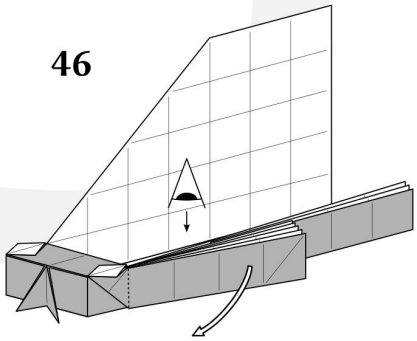
Refold like this.

45



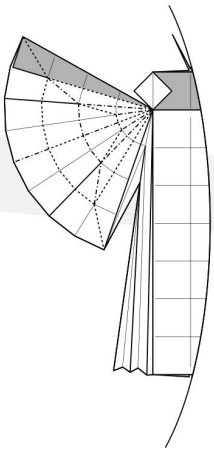
In progress.

46



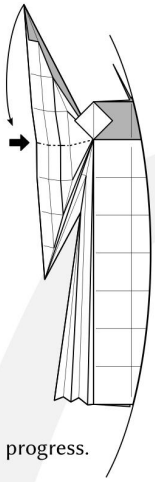
Open again. Next step will be viewed from the top.

47



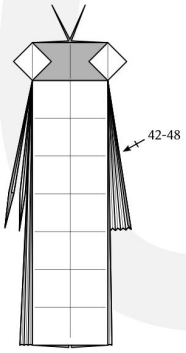
Perform an Elias stretch.

48



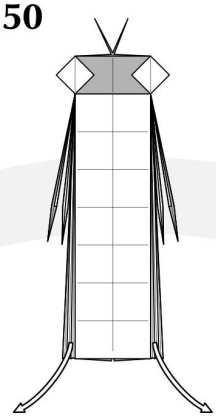
In progress.

49



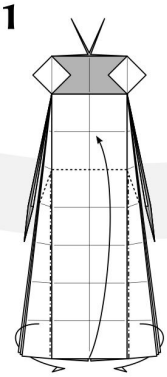
Repeat steps 42-48 on the other side.

50



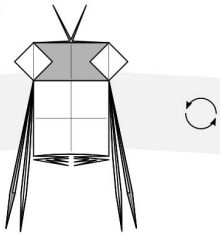
Partially open the sides.

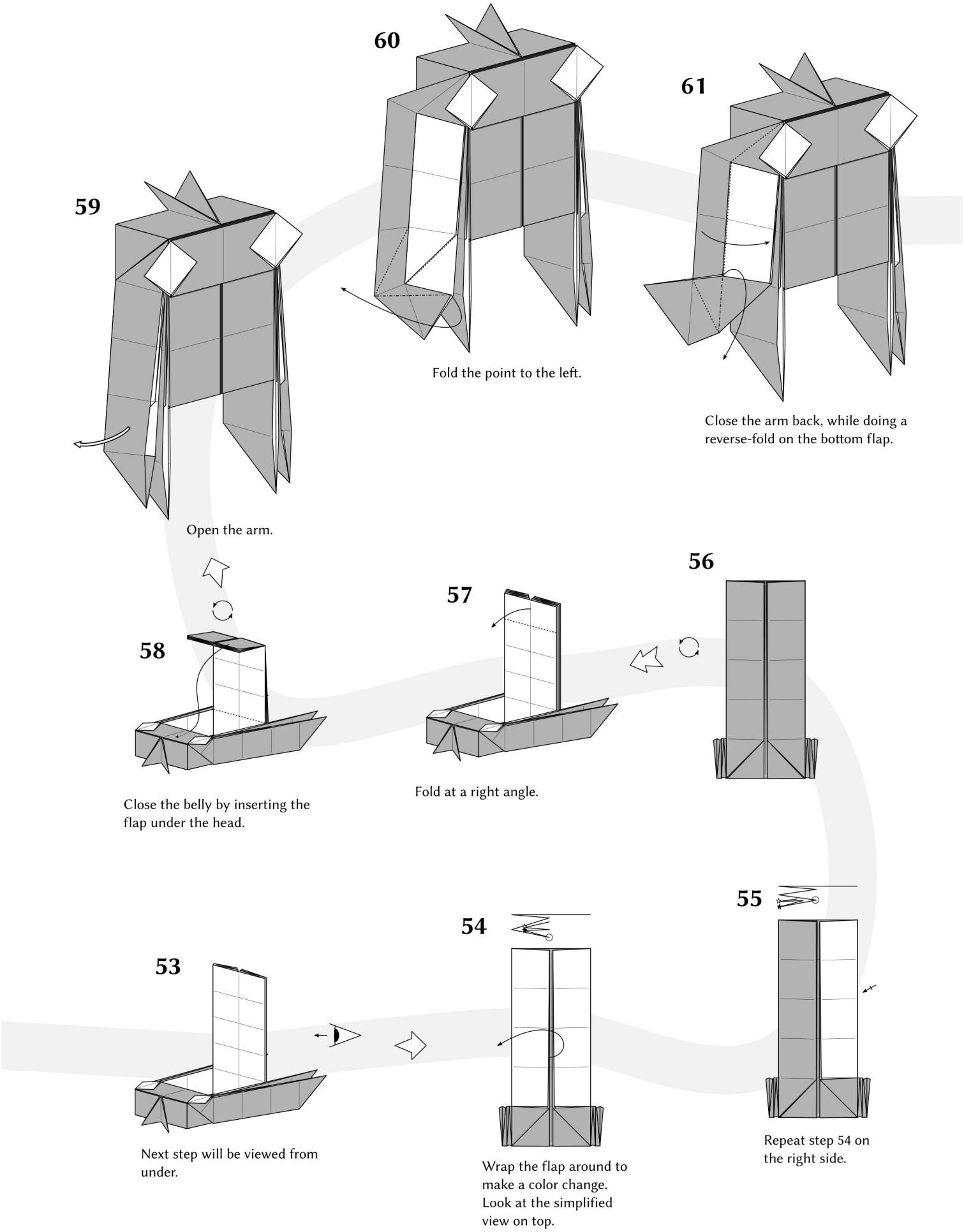
51



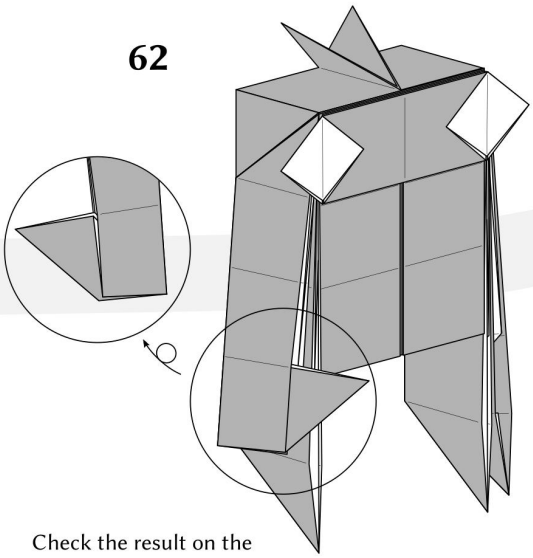
Fold the bottom part up at 90°. Wrap around the sides.

52



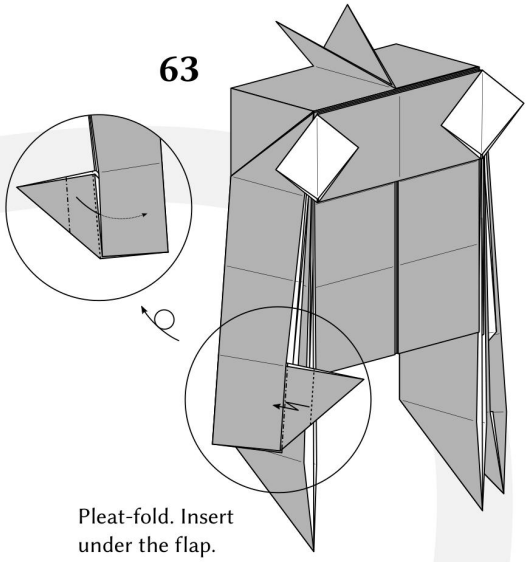

60
61
59
Fold the point to the left.
Close the arm back, while doing a reverse-fold on the bottom flap.
Open the arm.
56
57
58
Fold at a right angle.
Close the belly by inserting the flap under the head.
55
54
53
Repeat step 54 on the right side.
Wrap the flap around to make a color change. Look at the simplified view on top.
Next step will be viewed from under.

62



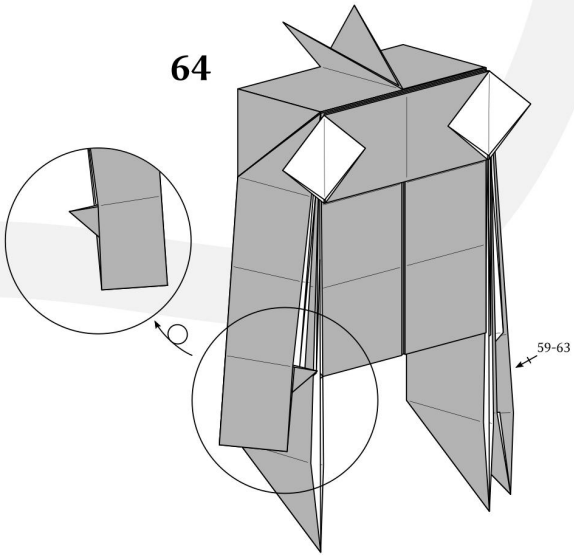
Check the result on the other side.

63



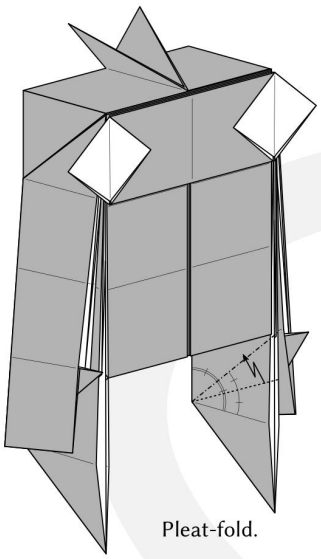
Pleat-fold. Insert under the flap.

64



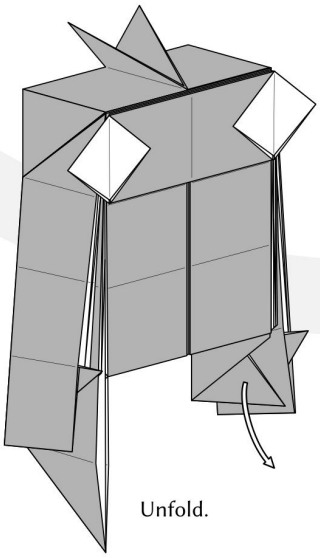
Repeat steps 59-63 on the other arm.

65



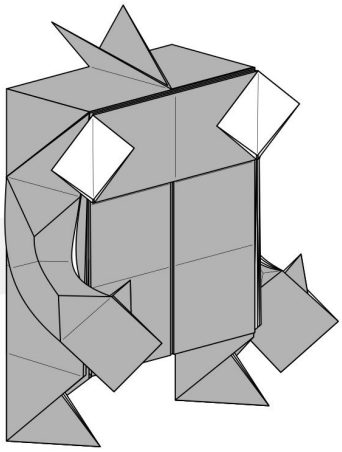
Pleat-fold.

66



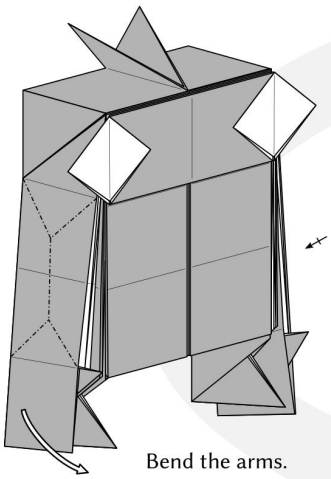
Unfold.

70



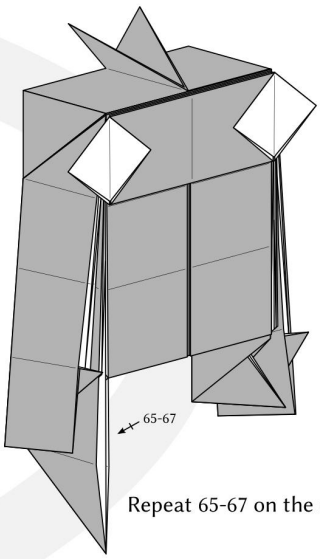
Done !

69



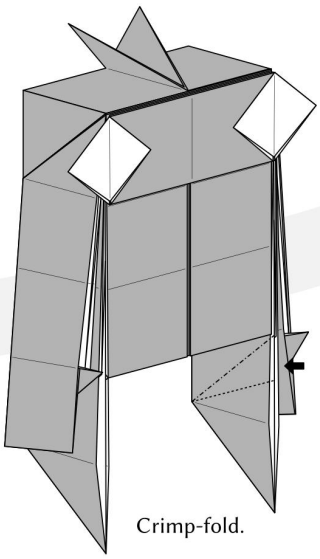
Bend the arms.

68



Repeat 65-67 on the other foot.

67



Crimp-fold.